



## M45 Mask

### M45

#### Description

The M45 Aircrew Chemical-Biological Mask System replaced the Army's M49 mask system used by all army aircrew, except AH-64 A/D (Apache) helicopter pilots. The mask provides head, eye and respiratory protection from Chemical-Biological (CB) agents, toxins and radioactive fallout particles without the aid of forced ventilation air while maintaining compatibility with rotary-wing aircraft sighting systems and night vision devices. The mask consists of close-fitting eye lenses, front and side voicemitters for face-to-face and telephone communication, a low profile canister interoperability hose assembly to all hose and face-mounted configurations, a rubber facepiece with an in-turned peripheral seal, second skin, and a hood. The M45 supports the Land Warrior program and serves as the mask for personnel who cannot be fitted with the standard M40A1, M42A2, or MCU-2A/P protective masks.



#### Mission

To provide aircrew and hard-to-fit personnel with protection against all known CB threat agents and radiological particulates.

#### Capabilities

- Compatible with night vision devices and aircraft sighting systems
- Microphone pass-through for aircraft communication
- Interchangeable nose cups mounted in a silicone rubber facepiece with an in-turned peripheral seal
- Drink tube pass-through for liquid nutrients
- Close-fitting eye lenses
- Front and side voicemitters for face-to-face and phone communications
- Low profile canister interoperability hose assembly for hose and face-mounted configurations
- Improvements Over the M24/M43 Type II/M49 Aircraft Masks:
  - ~ Eliminated blower and battery requirements
  - ~ Flexible at extreme temperatures
  - ~ Provides a greater face seal contact area
  - ~ Removable hose can be installed on either mask cheek

#### Users

US Navy, US Marine Corps, US Army, US Air Force

#### Status

Sustainment

This Fact Sheet was cleared for public release on 5/11/2010.

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